

NOAA Licensing Opportunity

NOAA Integrating Polar Nephelometer

LICENSING OPPORTUNITY: INTEGRATING POLAR NEPHELOMETER (N-IPN)

NOAA is now seeking manufacturers/licensees to deliver its newly-patented Integrating Polar Nephelometer - U.S. Patent Number: 8,531,516 - to market in the United States and globally. Ideal partners will have a proven track record in manufacturing quality scientific instruments domestically and a proven distribution network both in the U.S. and abroad.

NOAA offers a wide variety of licensing solutions with flexible terms and reasonable rates. Our licensing process is fast-tracked to allow licensee(s) to move the product from license to manufacture to market in the shortest possible time.

To learn more, contact the NOAA Technology Partnerships Office or visit our website at <http://www.technologypartnerships.noaa.gov>

Benefits of the Integrating Polar Nephelometer:

The N-IPN provides the scientist at the bench and in the field an instrument that can characterize the light scattered from particles as a function of angle. This function, known as the aerosol phase function, is very sensitive to the particle size distribution and refractive index. These additional data in conjunction with the device's compact size, solid and simple construction, and commercially available replacement parts, make the N-IPN a reliable and economical choice for a variety of applications.

Market Analysis:

Climate science and air quality monitoring provide ongoing applications for instrumentation to accurately measure particulates in a gas medium. Standard integrating nephelometers lose a considerable amount of particle information by not resolving the light scattered at individual angles. Polar integrating nephelometers resolve this issue.

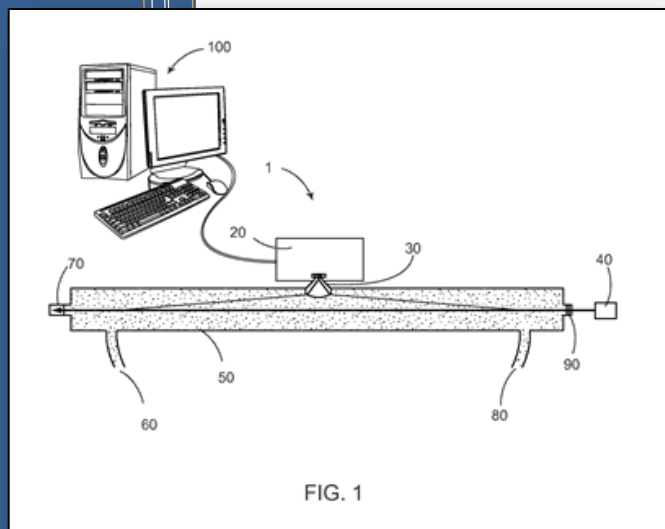


FIG. 1

The markets for scientific instruments in the U.S. and abroad are well-established and supported by a small number of known scientific instrument manufacturers, including one commercial manufacturer of polar nephelometers. Given the unique features of this device and the relatively simple fabrication requirements, the NOAA IPN could be a strong addition to an existing instrument line.

The NOAA Imaging Polar Nephelometer technology, with its enhanced particle characterization in a device that is inexpensive to manufacture, sturdy, and easy to calibrate, offers an excellent licensing opportunity for the scientific instrument manufacturing sector.

NOAA Technology Partnerships Office
Promoting Partnership & Commercialization of NOAA Innovations
<http://www.techpartnerships.noaa.gov>

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